

Arteriosclerosis

AN OFFICIAL JOURNAL OF THE AMERICAN HEART ASSOCIATION

Index to Volume 4 January-December 1984

AUTHOR INDEX

A

Abbott RD, 517
Ad Hoc Committee to Design a
Dietary Treatment of Hyper-
lipoproteinemia, 443A
Ahrens EH Jr, 177
Alavi M, 395
Albers JJ, 49, 79, 365, 407
Alfarsi S, 614
Angel A, 435
Annuzzi G, 592
Ashall C, 21

B

Baker DP, 248
Baker SG, 238, 472
Baldwin AL, 372
Barrett-Connor E, 296
Bates SR, 103
Bennett PH, 462
Berliner JA, 248
Bierman EL, 1, 296, 365, 443A
Birdwell CR, 14
Blaton V, 292
Bowyer DE, 479
Boyles J, 452
Braggion M, 598
Breslow JL, 97
Bruns GAP, 97
Brunzell JD, 79, 180
Buchanan MR, 403

C

Capaldo B, 592
Carew TE, 214
Carlson LA, 130
Carter C, 510
Chapman MB, 407
Chen C-H, 49
Cheung M, 407
Chien S, 372
Chisolm GM, 357
Clarkson TB, 296
Clevidence BA, 196
Coetzee GA, 208, 238
Cole TG, 138
Collen D, 579
Colton CK, 283
Connor WE, 270, 443A
Czervionke R, 4

D

De Simone B, 625
Deckelbaum RJ, 225
Demasius IPC, 238
DiCorleto PE, 357
Dougherty R, 265
Dusek DM, 196

E

Eaton RP, 147
Eckel RH, 232
Edwards PA, 248
Ehnholm C, 265
Eisenberg S, 115, 225
Elston R, 510
Ercolani L, 4
Evans DJ, 614

F

Faccenda F, 625
Faggiotto A, 323, 341
Fainaru M, 115
Faxon DP, 189
Feinleib M, 510
Feng Z, 103
Fidge NH, 124
Fless GM, 154, 472
Fogelman AM, 248
Fong B, 435
Ford CH, 443A
Forte TM, 130
Frantz ID Jr, 443A
Friedlander Y, 115
Fry G, 4
Fulton AB, 489
Funke H, 452

G

Garrison RJ, 517
Gasparotto A, 598
Getz GS, 103, 472
Gevers W, 208, 238
Gingrich RD, 4
Glueck CJ, 65, 443A
Goldberg RB, 472
Gottlieb AI, 91
Gotto AM Jr, 443A

Gottman SB, 189
Granot E, 225
Griggs TR, 84
Grundy SM, 41, 296, 443A
Grünwald J, 183

H

Hahn K-S, 138
Harker L, 323
Harlan WR, 296
Harley EH, 238
Harris WS, 270
Hatanaka K, 276
Haudenschild CC, 183, 189
Havekes L, 256
Havlik R, 510
Hawkins ET, 28
Hayashi R, 276
Hazzard WH, 266
Hennig B, 489
Higgs DW, 208
Hirsh J, 403
Hoak J, 4
Hoff HF, 196
Hoover GA, 165
Howard BV, 462
Hui DY, 452
Hunninghake DB, 296
Huttunen JK, 265

I

Iacono JM, 265
Illingworth DR, 270

J

Jackson WG, 59
Jensen D, 34, 630
Joffe BI, 472
Jouve R, 70
John D, 154
Julien P, 435

K

Kanazawa T, 103
Karathanasis SK, 97

Karlin J, 154
Kaufmann NA, 115
Kayes KC, 165
Kean C, 248
Kenagy R, 365
Kennedy AL, 462
Kern PA, 232
Kesäniemi YA, 41
Khoo JC, 34, 630
Kikkawa T, 276
Kissebah AH, 614
Kjeldsen K, 389
Knopp RH, 407
Knowler WC, 462
Kostainen E, 265
Krul ES, 138
Kuller LH, 510
Kwiterovich PO Jr, 79

L

Lacey C, 91
Lamb MA, 84
Laskarzewski PM, 65
Lees RS, 283
Leino U, 265
Lijnen HR, 579
Little JA, 443A
Ludwig EH, 452

M

Mahley RW, 452
Mahoney EM, 34
Malinow MR, 292
Mancini M, 592, 625
Manning JE, 84
Manzato E, 598
Marcel YL, 498
Marchand ER, 214
Mason DT, 296
McGill HC Jr, 443
McGovern WA, 189
McKinney L, 604
Mercier C, 70
Miettinen TA, 383
Miller RA, 586
Milne RW, 498
Montes A, 407
Moore S, 395
Morel DW, 357
Morton RE, 196
Murphy PL, 103
Mustard JF, 1
Mutanen M, 265

N

Nagelkerke JF, 256
Nelson CA, 636
Nestel PJ, 124
Nghiem D, 4
Nordestgaard B, 389

O

O'Keefe G, 296
Oschry Y, 115, 225

P

Packard CJ, 604
Pagnan A, 598
Parsons T, 4
Pellegrin E, 70
Pettitt DJ, 462
Pietinen P, 265
Pittman RC, 214
Postiglione A, 625
Puska P, 265

R

Ramirez CA, 283
Rao DC, 65, 510
Reardon MF, 124

Reddick RL, 84
Riccardi G, 592, 625
Rifkin H, 296
Rivellese A, 592
Rolland PH, 70
Rose L, 225
Ross R, 323, 341
Rubba P, 625
Rubenstein A, 154
Rudel LL, 636
Ryan TJ, 189

S

Sabbah HN, 28
Sage H, 4
Sanborn TA, 189
Scanu AM, 154, 418, 472
Schaefer EJ, 303
Schleef RR, 14
Schonfeld G, 138
Schwartz SM, 365, 647
Schwertner HA, 59
Seftel HC, 238, 472
Serradimigni A, 70
Shasby DM, 489
Shen B, 418
Shepherd J, 604
Slater HR, 604
Smith EB, 21
Smith KA, 283
Sniderman AD, 79
Spector AA, 296, 489
Spector W, 91
Stein O, 208
Stein PD, 28

Stein Y, 115, 208
Steinberg D, 34, 214, 630
Steinmetz A, 49
Stemmerman MB, 283
Stender I, 389
Stender S, 389

T

Takada S, 276
Tani N, 276
Theolis R Jr, 498
Tikkanen MJ, 138
Tollefson JH, 49
Troxler RG, 59
Tutino L, 592

U

Uhl GS, 59

V

Vaccaro O, 592
van Berkel TJC, 256
van der Westhuyzen DR, 208, 238
van Hinsbergh VWM, 256
Van Lenten BJ, 248
Vance JE, 34
Vasquez B, 462
von Hodenberg E, 630

W

Walden CE, 407
Walker LN, 479
Wanciewicz E, 34
Weber VJ, 189
Weech PK, 498
Weisgraber KH, 452
Weiss KR, 636
West G, 196
Wilson JN, 147
Wilson PWF, 517
Wilson RB, 586
Wilson SP, 147
Winston M, 296
Witztum JL, 630
Wong MKK, 91
Wood PD, 296

Y

Yamamoto A, 276
Yamamoto K, 418
Yokoyama S, 276

Z

Zarins C, 418
Zimmerman J, 115
Ziron L, 598

SUBJECT INDEX

A**Actin**

Smooth muscle cell proliferation in response to endothelial injury in coronary arteries of normal and von Willebrand's disease swine, 84

Adipose tissue

Absence of lipoprotein lipase in cultured human adipose stromal cells, 232

Albumin

Compartmentalization of water in human atherosclerotic lesions. Changes in distribution and exclusion volumes for plasma macromolecules, 21
Exposure to free fatty acid increases the transfer of albumin across cultured endothelial monolayers, 489
Transport of ¹²⁵I-albumin across normal and deendothelialized rabbit thoracic aorta in vivo, 283

Alpha₂-macroglobulin

Compartmentalization of water in human atherosclerotic lesions. Changes in distribution and exclusion volumes for plasma macromolecules, 21

American Heart Association report

Recommendations for the treatment of hyperlipidemia in adults. A joint statement of the Nutrition Committee and the Council on Arteriosclerosis of the American Heart Association, 443A

American Society for the Study of Arteriosclerosis

Abstracts submitted to the 38th Annual Meeting, Council on Arteriosclerosis, American Society for the Study of Arteriosclerosis, Miami Beach, Florida, November 1984, 518a

Analogue

In vitro metabolism of LDL labeled with a nondegradable cholesteryl ester analogue, 208

Angioplasty, transluminal

Restenosis following transluminal angioplasty in experimental atherosclerosis, 189

Animal studies, calf

Biochemical changes in endothelial cell monolayers induced by fibrin deposition in vitro, 14
LDL, scavenger, and β -VLDL receptors on aortic endothelial cells, 248
Metabolism of low density lipoprotein by bovine endothelial cells as a function of cell density, 365

Animal studies, dog

Cardiac and peripheral lymph lipoproteins in dogs fed cholesterol and saturated fat, 435
Uptake of apolipoprotein E-containing high density lipoproteins by hepatic parenchymal cells, 452

Animal studies, monkey

Aortic intimal response to endothelial removal in cebus and squirrel monkeys, 165
Atherogenic diet-induced modification of the subfraction distribution of high density lipoproteins in monkeys, 636
In vitro and in vivo interactions of Triton 1339 with plasma lipoproteins of normolipidemic rhesus monkeys. Preferential effects on high density lipoproteins, 418
Response of rhesus serum high density lipoproteins to cycles of diet-induced hypercholesterolemia, 154
Studies of hypercholesterolemia in the nonhuman primate. I. Changes that lead to fatty streak formation, 323

- Studies of hypercholesterolemia in the nonhuman primate. II. Fatty streak conversion to fibrous plaque, 341
- Animal studies, mouse**
Mobilization of stored triglycerides from macrophages as free fatty acids, 630
Neutral triglyceride lipase in macrophages, 34
Very low density lipoproteins promote triglyceride accumulation in macrophages, 103
- Animal studies, pig**
In vitro reendothelialization. Microfilament bundle reorganization in migrating porcine endothelial cells, 91
Smooth muscle cell proliferation in response to endothelial injury in coronary arteries of normal and von Willebrand's disease swine, 84
- Animal studies, rabbit**
Atherosclerosis and myocardial ischemic lesions in alloxan-diabetic rabbits fed a low cholesterol diet, 586
Effect of aspirin and salicylate on platelet-vessel wall interactions in rabbits, 403
Endothelial healing in the rabbit aorta and the effect of risk factors for atherosclerosis. Hypercholesterolemia, 479
Endothelial transport of anionized and cationized ferritin in the rabbit thoracic aorta and vasa vasorum, 372
Kinetics of low density lipoprotein interactions with rabbit aortic wall following balloon catheter deendothelialization, 395
LDL, scavenger, and β -VLDL receptors on aortic endothelial cells, 248
Measurement in vivo of irreversible degradation of low density lipoprotein in the rabbit aorta. Predominance of intimal degradation, 214
No effect of nifedipine on atherogenesis in cholesterol-fed rabbits, 389
Restenosis following transluminal angioplasty in experimental atherosclerosis, 189
Specific sorbent of apolipoprotein B-containing lipoproteins for plasmapheresis. Characterization and experimental use in hypercholesterolemic rabbits, 276
Transport of 125 I-albumin across normal and deendothelialized rabbit thoracic aorta in vivo, 283
- Animal studies, rat**
Dietary fiber and lipoprotein metabolism in the genetically obese Zucker rat, 147
In vivo catabolism of biologically modified LDL, 256
Intimal injury in vivo activates vascular smooth muscle cell migration and explant outgrowth in vitro, 183
Uptake of apolipoprotein E-containing high density lipoproteins by hepatic parenchymal cells, 452
- Antibodies**
Characterization of antigenic determinants of human apolipoprotein B. Distribution on tryptic fragments of low density lipoprotein, 498
Expression of apolipoprotein B epitopes in very low density lipoprotein subfractions. Studies with monoclonal antibodies, 138
- Antigen**
Characterization of antigenic determinants of human apolipoprotein B. Distribution on tryptic fragments of low density lipoprotein, 498
- Antigen factor VIII**
Properties of cultured endothelium from adult human vessels, 4
- Antiplasmin**
New approaches to thrombolytic therapy, 579
- Aorta, denudation**
Aortic intimal response to endothelial removal in cebus and squirrel monkeys, 165
Kinetics of low density lipoprotein interactions with rabbit aortic wall following balloon catheter deendothelialization, 395
Transport of 125 I-albumin across normal and deendothelialized rabbit thoracic aorta in vivo, 283
- Aorta, endothelium**
Endothelial healing in the rabbit aorta and the effect of risk factors for atherosclerosis. Hypercholesterolemia, 479
LDL, scavenger, and β -VLDL receptors on aortic endothelial cells, 248
- Aorta, human**
Alteration in prostacyclin and prostaglandin E_2 production. Correlation with changes in human aortic atherosclerotic disease, 70
Cholesterol esterification in macrophages. Stimulation by lipoproteins containing apo B isolated from human aortas, 196
Properties of cultured endothelium from adult human vessels, 4
- Aorta, intimal response**
Aortic intimal response to endothelial removal in cebus and squirrel monkeys, 165
George Lyman Duff Memorial Lecture. Persistent problems in the pathogenesis of atherosclerosis, 443
Measurement in vivo of irreversible degradation of low density lipoprotein in the rabbit aorta. Predominance of intimal degradation, 214
- Aorta, thoracic**
Endothelial transport of anionized and cationized ferritin in the rabbit thoracic aorta and vasa vasorum, 372
George Lyman Duff Memorial Lecture. Persistent problems in the pathogenesis of atherosclerosis, 443
- Aorta, wall**
Kinetics of low density lipoprotein interactions with rabbit aortic wall following balloon catheter deendothelialization, 395
Transport of 125 I-albumin across normal and deendothelialized rabbit thoracic aorta in vivo, 283
- Apolipoprotein A-I**
Abnormalities of high density lipoproteins in homozygous familial hypercholesterolemia, 472
Apoproteins B and A-1 and coronary artery disease in humans, 79
Clinical, biochemical, and genetic features in familial disorders of high density lipoprotein deficiency, 303
Effect of a diet low in saturated fatty acids on plasma lipids, lipoproteins, and HDL subfractions, 265
Effect of weight loss in moderate obesity on plasma lipoprotein and apolipoprotein levels and on high density lipoprotein composition, 115
Human apolipoprotein A-1-C-III gene complex is located on chromosome 11, 97
In vitro and in vivo interactions of Triton 1339 with plasma lipoproteins of normolipidemic rhesus monkeys. Preferential effects on high density lipoproteins, 418
Physiologic and supraphysiologic increases in lipoprotein lipids and apoproteins in late pregnancy and postpartum. Possible markers for the diagnosis of "prelipemia," 407
Response of rhesus serum high density lipoproteins to cycles of diet-induced hypercholesterolemia, 154
- Apolipoprotein A-II**
Abnormalities of high density lipoproteins in homozygous familial hypercholesterolemia, 472
Clinical, biochemical, and genetic features in familial disorders of high density lipoprotein deficiency, 303
Effect of a diet low in saturated fatty acids on plasma lipids, lipoproteins, and HDL subfractions, 265
Effect of weight loss in moderate obesity on plasma lipoprotein and apolipoprotein levels and on high density lipoprotein composition, 115
In vitro and in vivo interactions of Triton 1339 with plasma lipoproteins of normolipidemic rhesus monkeys. Preferential effects on high density lipoproteins, 418
Response of rhesus serum high density lipoproteins to cycles of diet-induced hypercholesterolemia, 154
- Apolipoprotein B**
Abnormalities of high density lipoproteins in homozygous familial hypercholesterolemia, 472
Apoproteins B and A-1 and coronary artery disease in humans, 79
Characterization of antigenic determinants of human apolipoprotein B. Distribution on tryptic fragments of low density lipoprotein, 498
Cholesterol esterification in macrophages. Stimulation by lipoproteins containing apo B isolated from human aortas, 196
Expression of apolipoprotein B epitopes in very low density

- lipoprotein subfractions. Studies with monoclonal antibodies, 138
- Low density lipoprotein metabolism in familial combined hyperlipidemia. Mechanism of the multiple lipoprotein phenotypic expression, 614
- Physiologic and supraphysiologic increases in lipoprotein lipids and apoproteins in late pregnancy and postpartum. Possible markers for the diagnosis of "prelipemia," 407
- Specific sorbent of apolipoprotein B-containing lipoproteins for plasmapheresis. Characterization and experimental use in hypercholesterolemic rabbits, 276
- Turnover of low density lipoproteins during inhibition of cholesterol absorption by neomycin, 41
- Apolipoprotein C-III**
- Human apolipoprotein A-1-C-III gene complex is located on chromosome 11, 97
- Apolipoprotein E**
- Effect of weight loss in moderate obesity on plasma lipoprotein and apolipoprotein levels and on high density lipoprotein composition, 115
- Uptake of apolipoprotein E-containing high density lipoproteins by hepatic parenchymal cells, 452
- Apolipoprotein E₃ deficiency**
- Homozygous familial hypercholesterolemia occurring with apolipoprotein E₃ deficiency. Report of two cases, 124
- Arterial cholesterol influx**
- No effect of nifedipine on atherogenesis in cholesterol-fed rabbits, 389
- Arterial protein influx**
- No effect of nifedipine on atherogenesis in cholesterol-fed rabbits, 389
- Artery wall**
- Effect of aspirin and salicylate on platelet-vessel wall interactions in rabbits, 403
- Studies of hypercholesterolemia in the nonhuman primate. I. Changes that lead to fatty streak formation, 323
- Studies of hypercholesterolemia in the nonhuman primate. II. Fatty streak conversion to fibrous plaque, 341
- Aspirin**
- Effect of aspirin and salicylate on platelet-vessel wall interactions in rabbits, 403
- Atherosclerosis genesis**
- Aortic intimal response to endothelial removal in cebus and squirrel monkeys, 165
- Atherogenic diet-induced modification of the subfraction distribution of high density lipoproteins in monkeys, 636
- Atherosclerosis and myocardial ischemic lesions in alloxan-diabetic rabbits fed a low cholesterol diet, 586
- Double pre-beta lipoprotein. Isolation and characterization of the two populations of very low density lipoproteins by zonal ultracentrifugation, 598
- Endothelial healing in the rabbit aorta and the effect of risk factors for atherosclerosis. Hypercholesterolemia, 479
- George Lyman Duff Memorial Lecture. Persistent problems in the pathogenesis of atherosclerosis, 443
- Impaired glucose tolerance and risk factors for atherosclerosis, 592
- Intimal injury in vivo activates vascular smooth muscle cell migration and explant outgrowth in vitro, 183
- LDL, scavenger, and β -VLDL receptors on aortic endothelial cells, 248
- Measurement in vivo of irreversible degradation of low density lipoprotein in the rabbit aorta. Predominance of intimal degradation, 214
- No effect of nifedipine on atherogenesis in cholesterol-fed rabbits, 389
- Restenosis following transluminal angioplasty in experimental atherosclerosis, 189
- Smooth muscle cell proliferation in response to endothelial injury in coronary arteries of normal and von Willebrand's disease swine, 84
- Special report. Treatment of hypertriglyceridemia. NIH consensus development conference summary, 296
- Studies of hypercholesterolemia in the nonhuman primate. I. Changes that lead to fatty streak formation, 323
- Studies of hypercholesterolemia in the nonhuman primate. II. Fatty streak conversion to fibrous plaque, 341
- Atherosclerosis histology**
- Alteration in prostacyclin and prostaglandin E₂ production. Correlation with changes in human aortic atherosclerotic disease, 70
- Atherosclerosis lesions**
- Alteration in prostacyclin and prostaglandin E₂ production. Correlation with changes in human aortic atherosclerotic disease, 70
- Compartmentalization of water in human atherosclerotic lesions. Changes in distribution and exclusion volumes for plasma macromolecules, 21
- Meeting summary. Regression of Atherosclerotic Lesions, 292
- Relationship between cortisol and cholesterol in men with coronary artery disease and type A behavior, 59
- Atherosclerosis, renal arteries**
- Flow separation in the renal arteries, 28
- Atherosclerosis research**
- Atherosclerosis: progress and evolution, 1
- Autodiagnosis**
- Measurement in vivo of irreversible degradation of low density lipoprotein in the rabbit aorta. Predominance of intimal degradation, 214
- B**
- Balloon deendothelialization**
- Kinetics of low density lipoprotein interactions with rabbit aortic wall following balloon catheter deendothelialization, 395
- Transport of ¹²⁵I-albumin across normal and deendothelialized rabbit thoracic aorta in vivo, 283
- Balloon injury**
- Intimal injury in vivo activates vascular smooth muscle cell migration and explant outgrowth in vitro, 183
- Behavior, psychosocial**
- Meeting summary. Genetic Epidemiology of Coronary Heart Disease. Past, Present, and Future, 510
- Relationship between cortisol and cholesterol in men with coronary artery disease and type A behavior, 59
- Bile acid**
- Cholesterol and bile acid synthesis in two families with homozygous and heterozygous hypercholesterolemia, 383
- Black population**
- Family resemblance for plasma lipids and lipoprotein concentrations in blacks. Cincinnati Lipid Research Clinic Family Study, 65
- C**
- C-sis**
- Meeting summary. Molecular Biology and the Vascular Wall. Proceedings of a meeting, 647
- Calcium antagonist**
- No effect of nifedipine on atherogenesis in cholesterol-fed rabbits, 389
- Calf, See Animal studies, calf**
- Cardiovascular disease**
- Impaired glucose tolerance and risk factors for atherosclerosis, 592
- Carotid artery**
- Effect of aspirin and salicylate on platelet-vessel wall interactions in rabbits, 403
- Catabolism, receptor-independent**
- Contribution of the receptor pathway to low density lipoprotein catabolism in humans. New methods for quantitation, 604
- Cell culture**
- Absence of lipoprotein lipase in cultured human adipose stro-

- mal cells, 232
- Contribution of the receptor pathway to low density lipoprotein catabolism in humans. New methods for quantitation, 604
- In vivo catabolism of biologically modified LDL, 256
- Intimal injury in vivo activates vascular smooth muscle cell migration and explant outgrowth in vitro, 183
- LDL, scavenger, and β -VLDL receptors on aortic endothelial cells, 248
- Low density lipoprotein: receptor mutations in South African homozygous familial hypercholesterolemic patients, 238
- Cell density**
- Metabolism of low density lipoprotein by bovine endothelial cells as a function of cell density, 365
- Cell, endothelial**
- Biochemical changes in endothelial cell monolayers induced by fibrin deposition in vitro, 14
- Endothelial and smooth muscle cells alter low density lipoprotein in vitro by free radical oxidation, 357
- Exposure to free fatty acid increases the transfer of albumin across cultured endothelial monolayers, 489
- George Lyman Duff Memorial Lecture. Persistent problems in the pathogenesis of atherosclerosis, 443
- In vitro reendothelialization. Microfilament bundle reorganization in migrating porcine endothelial cells, 91
- In vivo catabolism of biologically modified LDL, 256
- LDL, scavenger, and β -VLDL receptors on aortic endothelial cells, 248
- Meeting summary. Molecular Biology and the Vascular Wall. Proceedings of a meeting, 647
- Studies of hypercholesterolemia in the nonhuman primate. I. Changes that lead to fatty streak formation, 323
- Studies of hypercholesterolemia in the nonhuman primate. II. Fatty streak conversion to fibrous plaque, 341
- Cell, hepatic parenchymal**
- Uptake of apolipoprotein E-containing high density lipoproteins by hepatic parenchymal cells, 452
- Cell mechanics**
- Meeting summary. Molecular Biology and the Vascular Wall. Proceedings of a meeting, 647
- Cell migration**
- In vitro reendothelialization. Microfilament bundle reorganization in migrating porcine endothelial cells, 91
- Intimal injury in vivo activates vascular smooth muscle cell migration and explant outgrowth in vitro, 183
- Cell proliferation**
- Intimal injury in vivo activates vascular smooth muscle cell migration and explant outgrowth in vitro, 183
- Cell, stromal**
- Absence of lipoprotein lipase in cultured human adipose stromal cells, 232
- Cellulose**
- Dietary fiber and lipoprotein metabolism in the genetically obese Zucker rat, 147
- Childhood**
- George Lyman Duff Memorial Lecture. Persistent problems in the pathogenesis of atherosclerosis, 443
- Cholesterol**
- Atherogenic diet-induced modification of the subfraction distribution of high density lipoproteins in monkeys, 636
- Cardiac and peripheral lymph lipoproteins in dogs fed cholesterol and saturated fat, 435
- Cholesterol and bile acid synthesis in two families with homozygous and heterozygous hypercholesterolemia, 383
- Dietary fiber and lipoprotein metabolism in the genetically obese Zucker rat, 147
- Double pre-beta lipoprotein. Isolation and characterization of the two populations of very low density lipoproteins by zonal ultracentrifugation, 598
- Effect of a diet low in saturated fatty acids on plasma lipids, lipoproteins, and HDL subfractions, 265
- Effect of weight loss in moderate obesity on plasma lipoprotein and apolipoprotein levels and on high density lipoprotein composition, 115
- In vitro metabolism of LDL labeled with a nondegradable cholesteryl ester analogue, 208
- Inhibition of low density lipoprotein synthesis by dietary omega-3 fatty acids in humans, 270
- LDL, scavenger, and β -VLDL receptors on aortic endothelial cells, 248
- Low density lipoprotein metabolism in familial combined hyperlipidemia. Mechanism of the multiple lipoprotein phenotypic expression, 614
- No effect of nifedipine on atherogenesis in cholesterol-fed rabbits, 389
- Plasma and lipoprotein cholesterol and triglyceride in the Pima Indian population. Comparison of diabetics and nondiabetics, 462
- Relationship between cortisol and cholesterol in men with coronary artery disease and type A behavior, 59
- Turnover of low density lipoproteins during inhibition of cholesterol absorption by neomycin, 41
- Uptake of apolipoprotein E-containing high density lipoproteins by hepatic parenchymal cells, 452
- Cholesteryl ester**
- Cholesterol esterification in macrophages. Stimulation by lipoproteins containing apo B isolated from human aortas, 196
- In vitro metabolism of LDL labeled with a nondegradable cholesteryl ester analogue, 208
- Isolation and characterization of human plasma lipid transfer proteins, 49
- Cholesteryl ether**
- In vitro metabolism of LDL labeled with a nondegradable cholesteryl ester analogue, 208
- Cholestyramine**
- Cholesterol and bile acid synthesis in two families with homozygous and heterozygous hypercholesterolemia, 383
- Chromosome 11**
- Human apolipoprotein A-1-C-III gene complex is located on chromosome 11, 97
- Cigarette smoking**
- Impaired glucose tolerance and risk factors for atherosclerosis, 592
- Cincinnati Lipid Research Clinic Family Study**
- Family resemblance for plasma lipids and lipoprotein concentrations in blacks. Cincinnati Lipid Research Clinic Family Study, 65
- Meeting summary. Genetic Epidemiology of Coronary Heart Disease. Past, Present, and Future, 510
- Collagen lipid metabolism**
- Meeting summary. Molecular Biology and the Vascular Wall. Proceedings of a meeting, 647
- Compartmentalization, water**
- Compartmentalization of water in human atherosclerotic lesions. Changes in distribution and exclusion volumes for plasma macromolecules, 21
- Composition**
- Atherogenic diet-induced modification of the subfraction distribution of high density lipoproteins in monkeys, 636
- Contact inhibition**
- Biochemical changes in endothelial cell monolayers induced by fibrin deposition in vitro, 14
- Contractile system**
- In vitro reendothelialization. Microfilament bundle reorganization in migrating porcine endothelial cells, 91
- Convection**
- Transport of 125 I-albumin across normal and deendothelialized rabbit thoracic aorta in vivo, 283
- Coronary arteries**
- Smooth muscle cell proliferation in response to endothelial injury in coronary arteries of normal and von Willebrand's disease swine, 84
- Coronary artery disease**
- Apoproteins B and A-1 and coronary artery disease in humans, 79
- George Lyman Duff Memorial Lecture. Persistent problems in the pathogenesis of atherosclerosis, 443
- Meeting summary. Genetic Epidemiology of Coronary Heart Disease. Past, Present, and Future, 510
- Obesity and coronary heart disease. A targeted approach, 180
- Obesity and coronary heart disease. New dimensions, 177

- Relationship between cortisol and cholesterol in men with coronary artery disease and type A behavior, 59
- Cortisol**
Relationship between cortisol and cholesterol in men with coronary artery disease and type A behavior, 59
- Council on Arteriosclerosis annual meeting**
Abstracts submitted to the 38th Annual Meeting, Council on Arteriosclerosis, American Society for the Study of Arteriosclerosis, Miami Beach, Florida, November 1984, 518a
- Cytosolic triglyceride lipase**
Neutral triglyceride lipase in macrophages, 34
- Cytotoxicity**
Endothelial and smooth muscle cells alter low density lipoprotein in vitro by free radical oxidation, 357
- D**
- Density gradient ultracentrifugation**
Abnormalities of high density lipoproteins in homozygous familial hypercholesterolemia, 472
Response of rhesus serum high density lipoproteins to cycles of diet-induced hypercholesterolemia, 154
- Denudation, endothelial**
Aortic intimal response to endothelial removal in cebus and squirrel monkeys, 165
Kinetics of low density lipoprotein interactions with rabbit aortic wall following balloon catheter deendothelialization, 395
Smooth muscle cell proliferation in response to endothelial injury in coronary arteries of normal and von Willebrand's disease swine, 84
Studies of hypercholesterolemia in the nonhuman primate. I. Changes that lead to fatty streak formation, 323
Transport of 125 I-albumin across normal and deendothelialized rabbit thoracic aorta in vivo, 283
- Diabetes**
Atherosclerosis and myocardial ischemic lesions in alloxan-diabetic rabbits fed a low cholesterol diet, 586
Impaired glucose tolerance and risk factors for atherosclerosis, 592
Meeting summary. Genetic Epidemiology of Coronary Heart Disease. Past, Present, and Future, 510
Plasma and lipoprotein cholesterol and triglyceride in the Pima Indian population. Comparison of diabetics and nondiabetics, 462
- Diet**
Atherogenic diet-induced modification of the subfraction distribution of high density lipoproteins in monkeys, 636
Cardiac and peripheral lymph lipoproteins in dogs fed cholesterol and saturated fat, 435
Effect of a diet low in saturated fatty acids on plasma lipids, lipoproteins, and HDL subfractions, 265
Inhibition of low density lipoprotein synthesis by dietary omega-3 fatty acids in humans, 270
Recommendations for the treatment of hyperlipidemia in adults. A joint statement of the Nutrition Committee and the Council on Arteriosclerosis of the American Heart Association, 443A
Studies of hypercholesterolemia in the nonhuman primate. I. Changes that lead to fatty streak formation, 323
Studies of hypercholesterolemia in the nonhuman primate. II. Fatty streak conversion to fibrous plaque, 341
- Dietary hypercholesterolemia**
Endothelial healing in the rabbit aorta and the effect of risk factors for atherosclerosis. Hypercholesterolemia, 479
Response of rhesus serum high density lipoproteins to cycles of diet-induced hypercholesterolemia, 154
- Diffusion**
Transport of 125 I-albumin across normal and deendothelialized rabbit thoracic aorta in vivo, 283
- Distribution, subfraction**
Atherogenic diet-induced modification of the subfraction distribution of high density lipoproteins in monkeys, 636
- Distribution volume**
Compartmentalization of water in human atherosclerotic lesions. Changes in distribution and exclusion volumes for plasma macromolecules, 21
- DNA synthesis**
Biochemical changes in endothelial cell monolayers induced by fibrin deposition in vitro, 14
Smooth muscle cell proliferation in response to endothelial injury in coronary arteries of normal and von Willebrand's disease swine, 84
- Dog, See** Animal studies, dog
- Doppler scanning**
Premature development of iliac artery stenosis in asymptomatic type II hyperlipoproteinemia, 625
- Duff GL, See** George Lyman Duff Memorial Lecture
- Dysbetalipoproteinemia**
Homozygous familial hypercholesterolemia occurring with apolipoprotein E₃ deficiency. Report of two cases, 124
- Dysjunction, endothelial**
Studies of hypercholesterolemia in the nonhuman primate. I. Changes that lead to fatty streak formation, 323
Studies of hypercholesterolemia in the nonhuman primate. II. Fatty streak conversion to fibrous plaque, 341
- E**
- Editorial**
Arteriosclerosis: progress and evolution, 1
Obesity and coronary heart disease. A targeted approach, 180
Obesity and coronary heart disease. New dimensions, 177
- Electron microscopy**
Homozygous familial hypercholesterolemia occurring with apolipoprotein E₃ deficiency. Report of two cases, 124
- Electrophoresis**
Characterization of antigenic determinants of human apolipoprotein B. Distribution on tryptic fragments of low density lipoprotein, 498
- Endothelium**
Aortic intimal response to endothelial removal in cebus and squirrel monkeys, 165
Biochemical changes in endothelial cell monolayers induced by fibrin deposition in vitro, 14
Endothelial healing in the rabbit aorta and the effect of risk factors for atherosclerosis. Hypercholesterolemia, 479
Endothelial transport of anionized and cationized ferritin in the rabbit thoracic aorta and vasa vasorum, 372
Exposure to free fatty acid increases the transfer of albumin across cultured endothelial monolayers, 489
In vitro reendothelialization. Microfilament bundle reorganization in migrating porcine endothelial cells, 91
In vivo catabolism of biologically modified LDL, 256
Intimal injury in vivo activates vascular smooth muscle cell migration and explant outgrowth in vitro, 183
LDL, scavenger, and β -VLDL receptors on aortic endothelial cells, 248
Measurement in vivo of irreversible degradation of low density lipoprotein in the rabbit aorta. Predominance of intimal degradation, 214
Meeting summary. Molecular Biology and the Vascular Wall. Proceedings of a meeting, 647
Properties of cultured endothelium from adult human vessels, 4
Smooth muscle cell proliferation in response to endothelial injury in coronary arteries of normal and von Willebrand's disease swine, 84
Studies of hypercholesterolemia in the nonhuman primate. I. Changes that lead to fatty streak formation, 323
Transport of 125 I-albumin across normal and deendothelialized rabbit thoracic aorta in vivo, 283
- Epidemiology**
Arteriosclerosis: progress and evolution, 1
Meeting summary. Genetic Epidemiology of Coronary Heart Disease. Past, Present, and Future, 510

Meeting summary. Regression of Atherosclerotic Lesions, 292

Epitopes

Expression of apolipoprotein B epitopes in very low density lipoprotein subfractions. Studies with monoclonal antibodies, 138

Errata

Correction. Framingham Heart Study data on females using estrogen supplements, 517

Estrogen supplements

Correction. Framingham Heart Study data on females using estrogen supplements, 517

Exclusion volume

Compartmentalization of water in human atherosclerotic lesions. Changes in distribution and exclusion volumes for plasma macromolecules, 21

F

Factor VIII

Properties of cultured endothelium from adult human vessels, 4

Familial disease

Abnormalities of high density lipoproteins in homozygous familial hypercholesterolemia, 472

Apoproteins B and A-1 and coronary artery disease in humans, 79

Cholesterol and bile acid synthesis in two families with homozygous and heterozygous hypercholesterolemia, 383

Clinical, biochemical, and genetic features in familial disorders of high density lipoprotein deficiency, 303

Family resemblance for plasma lipids and lipoprotein concentrations in blacks. Cincinnati Lipid Research Clinic Family Study, 65

Homozygous familial hypercholesterolemia occurring with apolipoprotein E₃ deficiency. Report of two cases, 124

Low density lipoprotein metabolism in familial combined hyperlipidemia. Mechanism of the multiple lipoprotein phenotypic expression, 614

Low density lipoprotein receptor mutations in South African homozygous familial hypercholesterolemic patients, 238

Meeting summary. Genetic Epidemiology of Coronary Heart Disease. Past, Present, and Future, 510

Obesity and coronary heart disease. A targeted approach, 180

Fat

Effect of a diet low in saturated fatty acids on plasma lipids, lipoproteins, and HDL subfractions, 265

Fatty acid

Exposure to free fatty acid increases the transfer of albumin across cultured endothelial monolayers, 489

Inhibition of low density lipoprotein synthesis by dietary omega-3 fatty acids in humans, 270

Mobilization of stored triglycerides from macrophages as free fatty acids, 630

Studies of hypercholesterolemia in the nonhuman primate. I. Changes that lead to fatty streak formation, 323

Fatty streak

George Lyman Duff Memorial Lecture. Persistent problems in the pathogenesis of atherosclerosis, 443

Studies of hypercholesterolemia in the nonhuman primate. I. Changes that lead to fatty streak formation, 323

Studies of hypercholesterolemia in the nonhuman primate. II. Fatty streak conversion to fibrous plaque, 341

Ferritin

Endothelial transport of anionized and cationized ferritin in the rabbit thoracic aorta and vasa vasorum, 372

Fiber, soluble

Dietary fiber and lipoprotein metabolism in the genetically obese Zucker rat, 147

Fibrin

Biochemical changes in endothelial cell monolayers induced by fibrin deposition in vitro, 14

New approaches to thrombolytic therapy, 579

Fibrinogen

New approaches to thrombolytic therapy, 579

Fibroblasts

Endothelial and smooth muscle cells alter low density lipoprotein in vitro by free radical oxidation, 357

In vitro metabolism of LDL labeled with a nondegradable cholesterol ester analogue, 208

Low density lipoprotein receptor mutations in South African homozygous familial hypercholesterolemic patients, 238

Fibrous plaque

George Lyman Duff Memorial Lecture. Persistent problems in the pathogenesis of atherosclerosis, 443

Studies of hypercholesterolemia in the nonhuman primate. I. Changes that lead to fatty streak formation, 323

Studies of hypercholesterolemia in the nonhuman primate. II. Fatty streak conversion to fibrous plaque, 341

Fish eye disease

Clinical, biochemical, and genetic features in familial disorders of high density lipoprotein deficiency, 303

Electron microscopic structure of serum lipoproteins from patients with fish eye disease, 130

Fish oil

Inhibition of low density lipoprotein synthesis by dietary omega-3 fatty acids in humans, 270

Flow separation

Flow separation in the renal arteries, 28

Foam cells

Neutral triglyceride lipase in macrophages, 34

Studies of hypercholesterolemia in the nonhuman primate. I. Changes that lead to fatty streak formation, 323

Studies of hypercholesterolemia in the nonhuman primate. II. Fatty streak conversion to fibrous plaque, 341

Framingham Heart Study

Correction. Framingham Heart Study data on females using estrogen supplements, 517

Meeting summary. Genetic Epidemiology of Coronary Heart Disease. Past, Present, and Future, 510

G

Gene mapping

Human apolipoprotein A-1-C-III gene complex is located on chromosome 11, 97

Meeting summary. Molecular Biology and the Vascular Wall. Proceedings of a meeting, 647

Genetic heritability

Apoproteins B and A-1 and coronary artery disease in humans, 79

Family resemblance for plasma lipids and lipoprotein concentrations in blacks. Cincinnati Lipid Research Clinic Family Study, 65

Homozygous familial hypercholesterolemia occurring with apolipoprotein E₃ deficiency. Report of two cases, 124

Low density lipoprotein metabolism in familial combined hyperlipidemia. Mechanism of the multiple lipoprotein phenotypic expression, 614

Meeting summary. Genetic Epidemiology of Coronary Heart Disease. Past, Present, and Future, 510

Genome

Meeting summary. Molecular Biology and the Vascular Wall. Proceedings of a meeting, 647

George Lyman Duff Memorial Lecture

George Lyman Duff Memorial Lecture. Persistent problems in the pathogenesis of atherosclerosis, 443

Glucose tolerance

Contribution of the receptor pathway to low density lipoprotein catabolism in humans. New methods for quantitation, 604

Impaired glucose tolerance and risk factors for atherosclerosis, 592

Glycosaminoglycans

Kinetics of low density lipoprotein interactions with rabbit aortic wall following balloon catheter deendothelialization, 395

Gradient gel electrophoresis

Homozygous familial hypercholesterolemia occurring with apoprotein E₃ deficiency. Report of two cases, 124

H**Heredity**

Apoproteins B and A-1 and coronary artery disease in humans, 79

Family resemblance for plasma lipids and lipoprotein concentrations in blacks. Cincinnati Lipid Research Clinic Family Study, 65

Homozygous familial hypercholesterolemia occurring with apoprotein E₃ deficiency. Report of two cases, 124

Low density lipoprotein metabolism in familial combined hyperlipidemia. Mechanism of the multiple lipoprotein phenotypic expression, 614

Meeting summary. Genetic Epidemiology of Coronary Heart Disease. Past, Present, and Future, 510

Heterogeneity, high density lipoprotein

Response of rhesus serum high density lipoproteins to cycles of diet-induced hypercholesterolemia, 154

Homozygous familial hypercholesterolemia

Abnormalities of high density lipoproteins in homozygous familial hypercholesterolemia, 472

Cholesterol and bile acid synthesis in two families with homozygous and heterozygous hypercholesterolemia, 383

Homozygous familial hypercholesterolemia occurring with apoprotein E₃ deficiency. Report of two cases, 124

Low density lipoprotein receptor mutations in South African homozygous familial hypercholesterolemic patients, 238

Honolulu Heart Study

Meeting summary. Genetic Epidemiology of Coronary Heart Disease. Past, Present, and Future, 510

Hydroxyacetaldehyde

Contribution of the receptor pathway to low density lipoprotein catabolism in humans. New methods for quantitation, 604

Hyperapobetalipoproteinemia

Apoproteins B and A-1 and coronary artery disease in humans, 79

Hyper-B-apoproteinemia

Apoproteins B and A-1 and coronary artery disease in humans, 79

Hypercholesterolemia

Abnormalities of high density lipoproteins in homozygous familial hypercholesterolemia, 472

Apoproteins B and A-1 and coronary artery disease in humans, 79

Cholesterol and bile acid synthesis in two families with homozygous and heterozygous hypercholesterolemia, 383

Endothelial healing in the rabbit aorta and the effect of risk factors for atherosclerosis. Hypercholesterolemia, 479

Homozygous familial hypercholesterolemia occurring with apoprotein E₃ deficiency. Report of two cases, 124

Low density lipoprotein receptor mutations in South African homozygous familial hypercholesterolemic patients, 238

Recommendations for the treatment of hyperlipidemia in adults. A joint statement of the Nutrition Committee and the Council on Arteriosclerosis of the American Heart Association, 443A

Response of rhesus serum high density lipoproteins to cycles of diet-induced hypercholesterolemia, 154

Specific sorbent of apolipoprotein B-containing lipoproteins for plasmapheresis. Characterization and experimental use in hypercholesterolemic rabbits, 276

Studies of hypercholesterolemia in the nonhuman primate. I.

Changes that lead to fatty streak formation, 323

Studies of hypercholesterolemia in the nonhuman primate. II.

Fatty streak conversion to fibrous plaque, 341

Turnover of low density lipoproteins during inhibition of cholesterol absorption by neomycin, 41

Hyperlipidemia

Apoproteins B and A-1 and coronary artery disease in humans, 79

Dietary fiber and lipoprotein metabolism in the genetically obese Zucker rat, 147

Low density lipoprotein metabolism in familial combined hyperlipidemia. Mechanism of the multiple lipoprotein phenotypic expression, 614

Physiologic and supraphysiologic increases in lipoprotein lipids and apoproteins in late pregnancy and postpartum. Possible markers for the diagnosis of "prelipemia," 407

Plasma triglyceride determines structure-composition in low and high density lipoproteins, 225

Recommendations for the treatment of hyperlipidemia in adults. A joint statement of the Nutrition Committee and the Council on Arteriosclerosis of the American Heart Association, 443A

Hyperlipoproteinemia

Homozygous familial hypercholesterolemia occurring with apoprotein E₃ deficiency. Report of two cases, 124

Meeting summary. Regression of Atherosclerotic Lesions, 292

Premature development of iliac artery stenosis in asymptomatic type II hyperlipoproteinemia, 625

Recommendations for the treatment of hyperlipidemia in adults. A joint statement of the Nutrition Committee and the Council on Arteriosclerosis of the American Heart Association, 443A

Specific sorbent of apolipoprotein B-containing lipoproteins for plasmapheresis. Characterization and experimental use in hypercholesterolemic rabbits, 276

Hypertriglyceridemia

Neutral triglyceride lipase in macrophages, 34

Recommendations for the treatment of hyperlipidemia in adults. A joint statement of the Nutrition Committee and the Council on Arteriosclerosis of the American Heart Association, 443A

Special report. Treatment of hypertriglyceridemia. NIH consensus development conference summary, 296

Hypoalphalipoproteinemia

Clinical, biochemical, and genetic features in familial disorders of high density lipoprotein deficiency, 303

Recommendations for the treatment of hyperlipidemia in adults. A joint statement of the Nutrition Committee and the Council on Arteriosclerosis of the American Heart Association, 443A

Specific sorbent of apolipoprotein B-containing lipoproteins for plasmapheresis. Characterization and experimental use in hypercholesterolemic rabbits, 276

Hypolipidemia agents

Inhibition of low density lipoprotein synthesis by dietary omega-3 fatty acids in humans, 270

I**Iliac artery**

Premature development of iliac artery stenosis in asymptomatic type II hyperlipoproteinemia, 625

Infectious disease

George Lyman Duff Memorial Lecture. Persistent problems in the pathogenesis of atherosclerosis, 443

Injury, endothelial

Aortic intimal response to endothelial removal in cebus and squirrel monkeys, 165

Effect of aspirin and salicylate on platelet-vessel wall interactions in rabbits, 403

Endothelial healing in the rabbit aorta and the effect of risk factors for atherosclerosis. Hypercholesterolemia, 479

George Lyman Duff Memorial Lecture. Persistent problems in the pathogenesis of atherosclerosis, 443

In vitro reendothelialization. Microfilament bundle reorganization in migrating porcine endothelial cells, 91

Intimal injury in vivo activates vascular smooth muscle cell migration and explant outgrowth in vitro, 183

Kinetics of low density lipoprotein interactions with rabbit aortic wall following balloon catheter deendothelialization, 395

Smooth muscle cell proliferation in response to endothelial injury in coronary arteries of normal and von Willebrand's disease swine, 84

Interstitial fluid

Compartmentalization of water in human atherosclerotic lesions. Changes in distribution and exclusion volumes for plasma macromolecules, 21

J

J774 cells, *See* Macrophages, J774 cells

K**Kidney**

Flow separation in the renal arteries, 28

L**Lanosterol**

Cholesterol and bile acid synthesis in two families with homozygous and heterozygous hypercholesterolemia, 383

Lebanese population

Homozygous familial hypercholesterolemia occurring with apolipoprotein E₃ deficiency. Report of two cases, 124

Lecithin-cholesterol acyltransferase

Isolation and characterization of human plasma lipid transfer proteins, 49

Lipid

Exposure to free fatty acid increases the transfer of albumin across cultured endothelial monolayers, 489

Lipid binding

Kinetics of low density lipoprotein interactions with rabbit aortic wall following balloon catheter deendothelialization, 395

Lipid transfer protein

Isolation and characterization of human plasma lipid transfer proteins, 49

Lipid transport

Meeting summary. Genetic Epidemiology of Coronary Heart Disease. Past, Present, and Future, 510

Lipoprotein

Cardiac and peripheral lymph lipoproteins in dogs fed cholesterol and saturated fat, 435

Family resemblance for plasma lipids and lipoprotein concentrations in blacks. Cincinnati Lipid Research Clinic Family Study, 65

Lipoprotein, apolipoprotein B

Cholesterol esterification in macrophages. Stimulation by lipoproteins containing apo B isolated from human aortas, 196

Lipoprotein deficiency, high density

Clinical, biochemical, and genetic features in familial disorders of high density lipoprotein deficiency, 303

Lipoprotein, double pre-beta

Double pre-beta lipoprotein. Isolation and characterization of the two populations of very low density lipoproteins by zonal ultracentrifugation, 598

Lipoprotein, high density (HDL)

Abnormalities of high density lipoproteins in homozygous familial hypercholesterolemia, 472

Atherogenic diet-induced modification of the subfraction distribution of high density lipoproteins in monkeys, 636

Clinical, biochemical, and genetic features in familial disorders of high density lipoprotein deficiency, 303

Dietary fiber and lipoprotein metabolism in the genetically obese Zucker rat, 147

Effect of a diet low in saturated fatty acids on plasma lipids, lipoproteins, and HDL subfractions, 265

Effect of weight loss in moderate obesity on plasma lipoprotein and apolipoprotein levels and on high density lipoprotein composition, 115

Electron microscopic structure of serum lipoproteins from patients with fish eye disease, 130

In vitro and in vivo interactions of Triton 1339 with plasma lipoproteins of normolipidemic rhesus monkeys. Preferential effects on high density lipoproteins, 418

Physiologic and supraphysiologic increases in lipoprotein lipids and apoproteins in late pregnancy and postpartum. Possible markers for the diagnosis of "prelipemia," 407

Plasma triglyceride determines structure-composition in low and high density lipoproteins, 225

Response of rhesus serum high density lipoproteins to cycles of diet-induced hypercholesterolemia, 154

Uptake of apolipoprotein E-containing high density lipoproteins by hepatic parenchymal cells, 452

Lipoprotein, high density₂ (HDL₂)

Atherogenic diet-induced modification of the subfraction distribution of high density lipoproteins in monkeys, 636

Effect of weight loss in moderate obesity on plasma lipoprotein and apolipoprotein levels and on high density lipoprotein composition, 115

Lipoprotein, high density₃ (HDL₃)

Atherogenic diet-induced modification of the subfraction distribution of high density lipoproteins in monkeys, 636

Effect of weight loss in moderate obesity on plasma lipoprotein and apolipoprotein levels and on high density lipoprotein composition, 115

Lipoprotein, intermediate density (IDL)

Electron microscopic structure of serum lipoproteins from patients with fish eye disease, 130

Lipoprotein kinetics

Low density lipoprotein metabolism in familial combined hyperlipidemia. Mechanism of the multiple lipoprotein phenotypic expression, 614

Lipoprotein lipase

Absence of lipoprotein lipase in cultured human adipose stromal cells, 232

Lipoprotein, low density (LDL)

Characterization of antigenic determinants of human apolipoprotein B. Distribution on tryptic fragments of low density lipoprotein, 498

Cholesterol esterification in macrophages. Stimulation by lipoproteins containing apo B isolated from human aortas, 196

Compartmentalization of water in human atherosclerotic lesions. Changes in distribution and exclusion volumes for plasma macromolecules, 21

Contribution of the receptor pathway to low density lipoprotein catabolism in humans. New methods for quantitation, 604

Effect of a diet low in saturated fatty acids on plasma lipids, lipoproteins, and HDL subfractions, 265

Effect of weight loss in moderate obesity on plasma lipoprotein and apolipoprotein levels and on high density lipoprotein composition, 115

Electron microscopic structure of serum lipoproteins from patients with fish eye disease, 130

Endothelial and smooth muscle cells alter low density lipoprotein in vitro by free radical oxidation, 357

Expression of apolipoprotein B epitopes in very low density lipoprotein subfractions. Studies with monoclonal antibodies, 138

In vitro metabolism of LDL labeled with a nondegradable cholesteryl ester analogue, 208

In vivo catabolism of biologically modified LDL, 256

Inhibition of low density lipoprotein synthesis by dietary omega-3 fatty acids in humans, 270

Kinetics of low density lipoprotein interactions with rabbit aortic wall following balloon catheter deendothelialization, 395

LDL, scavenger, and β -VLDL receptors on aortic endothelial cells, 248

Low density lipoprotein metabolism in familial combined hyperlipidemia. Mechanism of the multiple lipoprotein phenotypic expression, 614

Low density lipoprotein receptor mutations in South African homozygous familial hypercholesterolemic patients, 238

Measurement in vivo of irreversible degradation of low density

- lipoprotein in the rabbit aorta. Predominance of intimal degradation, 214
- Metabolism of low density lipoprotein by bovine endothelial cells as a function of cell density, 365
- Physiologic and supraphysiologic increases in lipoprotein lipids and apoproteins in late pregnancy and postpartum. Possible markers for the diagnosis of "prelipemia," 407
- Plasma triglyceride determines structure-composition in low and high density lipoproteins, 225
- Premature development of iliac artery stenosis in asymptomatic type II hyperlipoproteinemia, 625
- Turnover of low density lipoproteins during inhibition of cholesterol absorption by neomycin, 41
- Lipoprotein, very low density (VLDL)**
- Double pre-beta lipoprotein. Isolation and characterization of the two populations of very low density lipoproteins by zonal ultracentrifugation, 598
- Effect of a diet low in saturated fatty acids on plasma lipids, lipoproteins, and HDL subfractions, 265
- Electron microscopic structure of serum lipoproteins from patients with fish eye disease, 130
- LDL, scavenger, and β -VLDL receptors on aortic endothelial cells, 248
- Low density lipoprotein metabolism in familial combined hyperlipidemia. Mechanism of the multiple lipoprotein phenotypic expression, 614
- Physiologic and supraphysiologic increases in lipoprotein lipids and apoproteins in late pregnancy and postpartum. Possible markers for the diagnosis of "prelipemia," 407
- Very low density lipoproteins promote triglyceride accumulation in macrophages, 103
- Lipoprotein, very low density, (VLDL₁)**
- Expression of apolipoprotein B epitopes in very low density lipoprotein subfractions. Studies with monoclonal antibodies, 138
- Lipoprotein, very low density₂ (VLDL₂)**
- Expression of apolipoprotein B epitopes in very low density lipoprotein subfractions. Studies with monoclonal antibodies, 138
- Lipoprotein, very low density₃ (VLDL₃)**
- Expression of apolipoprotein B epitopes in very low density lipoprotein subfractions. Studies with monoclonal antibodies, 138
- Liver endothelium, rat**
- In vivo catabolism of biologically modified LDL, 256
- Liver parenchymal cells, rat**
- Uptake of apolipoprotein E-containing high density lipoproteins by hepatic parenchymal cells, 452
- Lymph**
- Cardiac and peripheral lymph lipoproteins in dogs fed cholesterol and saturated fat, 435

M

- Macroglobulin**
- Compartmentalization of water in human atherosclerotic lesions. Changes in distribution and exclusion volumes for plasma macromolecules, 21
- Macrophages**
- Cholesterol esterification in macrophages. Stimulation by lipoproteins containing apo B isolated from human aortas, 196
- Mobilization of stored triglycerides from macrophages as free fatty acids, 630
- Studies of hypercholesterolemia in the nonhuman primate. I. Changes that lead to fatty streak formation, 323
- Studies of hypercholesterolemia in the nonhuman primate. II. Fatty streak conversion to fibrous plaque, 341
- Very low density lipoproteins promote triglyceride accumulation in macrophages, 103
- Macrophages, J774 cells**
- Mobilization of stored triglycerides from macrophages as free

- fatty acids, 630
- Neutral triglyceride lipase in macrophages, 34
- Malondialdehyde**
- Endothelial and smooth muscle cells alter low density lipoprotein in vitro by free radical oxidation, 357
- Meeting summary**
- Meeting summary. Genetic Epidemiology of Coronary Heart Disease. Past, Present, and Future, 510
- Meeting summary. Molecular Biology and the Vascular Wall. Proceedings of a meeting, 647
- Meeting summary. Regression of Atherosclerotic Lesions, 292
- Melanoma**
- New approaches to thrombolytic therapy, 579
- Men**
- Relationship between cortisol and cholesterol in men with coronary artery disease and type A behavior, 59
- Metabolism, collagen lipid**
- Meeting summary. Molecular Biology and the Vascular Wall. Proceedings of a meeting, 647
- Metabolism, lipoprotein**
- Double pre-beta lipoprotein. Isolation and characterization of the two populations of very low density lipoproteins by zonal ultracentrifugation, 598
- In vitro metabolism of LDL labeled with a nondegradable cholesterol ester analogue, 208
- Low density lipoprotein metabolism in familial combined hyperlipidemia. Mechanism of the multiple lipoprotein phenotypic expression, 614
- Metabolism of low density lipoprotein by bovine endothelial cells as a function of cell density, 365
- Uptake of apolipoprotein E-containing high density lipoproteins by hepatic parenchymal cells, 452
- Methyl sterol**
- Cholesterol and bile acid synthesis in two families with homozygous and heterozygous hypercholesterolemia, 383
- Microfilament bundles**
- In vitro reendothelialization. Microfilament bundle reorganization in migrating porcine endothelial cells, 91
- Molecular genetics**
- Meeting summary. Molecular Biology and the Vascular Wall. Proceedings of a meeting, 647
- Monkey, See Animal studies, monkey**
- Monoclonal antibodies**
- Characterization of antigenic determinants of human apolipoprotein B. Distribution on tryptic fragments of low density lipoprotein, 498
- Expression of apolipoprotein B epitopes in very low density lipoprotein subfractions. Studies with monoclonal antibodies, 138
- Monocyte**
- Meeting summary. Molecular Biology and the Vascular Wall. Proceedings of a meeting, 647
- Monocyte/macrophages**
- George Lyman Duff Memorial Lecture. Persistent problems in the pathogenesis of atherosclerosis, 443
- Neutral triglyceride lipase in macrophages, 34
- Mouse, See Animal studies, mouse**
- Myocardial infarction**
- Atherosclerosis and myocardial ischemic lesions in alloxan-diabetic rabbits fed a low cholesterol diet, 586
- Homozygous familial hypercholesterolemia occurring with apolipoprotein E₃ deficiency. Report of two cases, 124
- Myosin**
- In vitro reendothelialization. Microfilament bundle reorganization in migrating porcine endothelial cells, 91

N

- National Institutes of Health report**
- Special report. Treatment of hypertriglyceridemia. NIH consensus development conference summary, 296

Neomycin

Turnover of low density lipoproteins during inhibition of cholesterol absorption by neomycin, 41

Neoplasia

Meeting summary. Molecular Biology and the Vascular Wall. Proceedings of a meeting, 647

Nifedipine

No effect of nifedipine on atherogenesis in cholesterol-fed rabbits, 389

Noninsulin dependent diabetes

Plasma and lipoprotein cholesterol and triglyceride in the Pima Indian population. Comparison of diabetics and nondiabetics, 462

O**Oat bran**

Dietary fiber and lipoprotein metabolism in the genetically obese Zucker rat, 147

Obesity

Effect of weight loss in moderate obesity on plasma lipoprotein and apolipoprotein levels and on high density lipoprotein composition, 115

Impaired glucose tolerance and risk factors for atherosclerosis, 592

Obesity and coronary heart disease. A targeted approach, 180

Obesity and coronary heart disease. New dimensions, 177

Oncogenes

Meeting summary. Molecular Biology and the Vascular Wall. Proceedings of a meeting, 647

Osteosarcoma-producing virus

Meeting summary. Molecular Biology and the Vascular Wall. Proceedings of a meeting, 647

Oxidation, lipoprotein

Endothelial and smooth muscle cells alter low density lipoprotein in vitro by free radical oxidation, 357

Oxidative free radicals

Endothelial and smooth muscle cells alter low density lipoprotein in vitro by free radical oxidation, 357

P**Pectin**

Dietary fiber and lipoprotein metabolism in the genetically obese Zucker rat, 147

Phenotypes

Low density lipoprotein metabolism in familial combined hyperlipidemia. Mechanism of the multiple lipoprotein phenotypic expression, 614

Meeting summary. Genetic Epidemiology of Coronary Heart Disease. Past, Present, and Future, 510

Phosphatidylcholine

Isolation and characterization of human plasma lipid transfer proteins, 49

Phospholipid

Isolation and characterization of human plasma lipid transfer proteins, 49

Pig, See Animal studies, pig**Pima Indian population**

Plasma and lipoprotein cholesterol and triglyceride in the Pima Indian population. Comparison of diabetics and nondiabetics, 462

Pinocytosis

Biochemical changes in endothelial cell monolayers induced by fibrin deposition in vitro, 14

Plaque

Cholesterol esterification in macrophages. Stimulation by lipoproteins containing apo B isolated from human aortas, 196

George Lyman Duff Memorial Lecture. Persistent problems in the pathogenesis of atherosclerosis, 443

Studies of hypercholesterolemia in the nonhuman primate. I. Changes that lead to fatty streak formation, 323

Studies of hypercholesterolemia in the nonhuman primate. II. Fatty streak conversion to fibrous plaque, 341

Plasma

Cardiac and peripheral lymph lipoproteins in dogs fed cholesterol and saturated fat, 435

Plasmapheresis

Specific sorbent of apolipoprotein B-containing lipoproteins for plasmapheresis. Characterization and experimental use in hypercholesterolemic rabbits, 276

Plasmin

New approaches to thrombolytic therapy, 579

Plasminogen activator

Meeting summary. Molecular Biology and the Vascular Wall. Proceedings of a meeting, 647

Platelet

Effect of aspirin and salicylate on platelet-vessel wall interactions in rabbits, 403

Platelet-derived growth factor

Meeting summary. Molecular Biology and the Vascular Wall. Proceedings of a meeting, 647

Polyunsaturated/saturated ratio

Effect of a diet low in saturated fatty acids on plasma lipids, lipoproteins, and HDL subfractions, 265

Population study

Effect of a diet low in saturated fatty acids on plasma lipids, lipoproteins, and HDL subfractions, 265

Family resemblance for plasma lipids and lipoprotein concentrations in blacks. Cincinnati Lipid Research Clinic Family Study, 65

Meeting summary. Genetic Epidemiology of Coronary Heart Disease. Past, Present, and Future, 510

Plasma and lipoprotein cholesterol and triglyceride in the Pima Indian population. Comparison of diabetics and nondiabetics, 462

Relationship between cortisol and cholesterol in men with coronary artery disease and type A behavior, 59

Postpartum changes

Physiologic and supraphysiologic increases in lipoprotein lipids and apoproteins in late pregnancy and postpartum. Possible markers for the diagnosis of "prelipemia," 407

Preadipocytes

Absence of lipoprotein lipase in cultured human adipose stromal cells, 232

Prediabetic state

Impaired glucose tolerance and risk factors for atherosclerosis, 592

Pregnancy

Physiologic and supraphysiologic increases in lipoprotein lipids and apoproteins in late pregnancy and postpartum. Possible markers for the diagnosis of "prelipemia," 407

Prelipemia

Physiologic and supraphysiologic increases in lipoprotein lipids and apoproteins in late pregnancy and postpartum. Possible markers for the diagnosis of "prelipemia," 407

Pro-urokinase

New approaches to thrombolytic therapy, 579

Prostacyclin

Alteration in prostacyclin and prostaglandin E₂ production. Correlation with changes in human aortic atherosclerotic disease, 70

Effect of aspirin and salicylate on platelet-vessel wall interactions in rabbits, 403

Properties of cultured endothelium from adult human vessels, 4

Prostaglandin

Effect of aspirin and salicylate on platelet-vessel wall interactions in rabbits, 403

Prostaglandin E₂

Alteration in prostacyclin and prostaglandin E₂ production. Cor-

- relation with changes in human aortic atherosclerotic disease, 70
- Prostanoid synthesis activity**
 - Alteration in prostacyclin and prostaglandin E₂ production. Correlation with changes in human aortic atherosclerotic disease, 70
- Protein, extracellular**
 - Meeting summary. Molecular Biology and the Vascular Wall. Proceedings of a meeting, 647
- Protein, lipid transfer**
 - Isolation and characterization of human plasma lipid transfer proteins, 49
- Protein secretion**
 - Properties of cultured endothelium from adult human vessels, 4
- Pulmonary disease**
 - Meeting summary. Genetic Epidemiology of Coronary Heart Disease. Past, Present, and Future, 510

R

- Rabbit**, *See* Animal studies, rabbit
- Radioimmunoassay**
 - Expression of apolipoprotein B epitopes in very low density lipoprotein subfractions. Studies with monoclonal antibodies, 138
- Rat**, *See* Animal studies, rat
- Receptors, lipoprotein**
 - Contribution of the receptor pathway to low density lipoprotein catabolism in humans. New methods for quantitation, 604
 - LDL, scavenger, and β -VLDL receptors on aortic endothelial cells, 248
 - Low density lipoprotein receptor mutations in South African homozygous familial hypercholesterolemic patients, 238
- Remnant particles**
 - Double pre-beta lipoprotein. Isolation and characterization of the two populations of very low density lipoproteins by zonal ultracentrifugation, 598
- Renal arteries**
 - Flow separation in the renal arteries, 28
- Renal flow**
 - Flow separation in the renal arteries, 28
- Restenosis**
 - Restenosis following transluminal angioplasty in experimental atherosclerosis, 189
- Rhesus monkeys**
 - Response of rhesus serum high density lipoproteins to cycles of diet-induced hypercholesterolemia, 154
- Risk factors**
 - Endothelial healing in the rabbit aorta and the effect of risk factors for atherosclerosis. Hypercholesterolemia, 479
 - Family resemblance for plasma lipids and lipoprotein concentrations in blacks. Cincinnati Lipid Research Clinic Family Study, 65
 - Impaired glucose tolerance and risk factors for atherosclerosis, 592
 - Meeting summary. Genetic Epidemiology of Coronary Heart Disease. Past, Present, and Future, 510
 - Meeting summary. Regression of Atherosclerotic Lesions, 292
 - Obesity and coronary heart disease. A targeted approach, 180
 - Obesity and coronary heart disease. New dimensions, 177
 - Relationship between cortisol and cholesterol in men with coronary artery disease and type A behavior, 59

S

- Salicylate**
 - Effect of aspirin and salicylate on platelet-vessel wall interactions in rabbits, 403
- Secondary flow**
 - Flow separation in the renal arteries, 28

- Shear stress**
 - Flow separation in the renal arteries, 28
- Smoking**
 - Impaired glucose tolerance and risk factors for atherosclerosis, 592
- Smooth muscle**
 - Endothelial and smooth muscle cells alter low density lipoprotein in vitro by free radical oxidation, 357
 - George Lyman Duff Memorial Lecture. Persistent problems in the pathogenesis of atherosclerosis, 443
 - Meeting summary. Molecular Biology and the Vascular Wall. Proceedings of a meeting, 647
- Smooth muscle cell proliferation**
 - Intimal injury in vivo activates vascular smooth muscle cell migration and explant outgrowth in vitro, 183
 - Smooth muscle cell proliferation in response to endothelial injury in coronary arteries of normal and von Willebrand's disease swine, 84
- South African population**
 - Low density lipoprotein receptor mutations in South African homozygous familial hypercholesterolemic patients, 238
- Spectral analysis**
 - Premature development of iliac artery stenosis in asymptomatic type II hyperlipoproteinemia, 625
- Squalene**
 - Cholesterol and bile acid synthesis in two families with homozygous and heterozygous hypercholesterolemia, 383
- Stenosis**
 - Premature development of iliac artery stenosis in asymptomatic type II hyperlipoproteinemia, 625
- Sterol**
 - Cholesterol and bile acid synthesis in two families with homozygous and heterozygous hypercholesterolemia, 383
- Stromal cell**
 - Absence of lipoprotein lipase in cultured human adipose stromal cells, 232
- Structure, high density lipoprotein**
 - In vitro and in vivo interactions of Triton 1339 with plasma lipoproteins of normolipidemic rhesus monkeys. Preferential effects on high density lipoproteins, 418
 - Plasma triglyceride determines structure-composition in low and high density lipoproteins, 225
 - Response of rhesus serum high density lipoproteins to cycles of diet-induced hypercholesterolemia, 154
- Structure, low density lipoprotein**
 - Plasma triglyceride determines structure-composition in low and high density lipoproteins, 225
- Subfractions, lipoprotein**
 - Atherogenic diet-induced modification of the subfraction distribution of high density lipoproteins in monkeys, 636
 - Effect of weight loss in moderate obesity on plasma lipoprotein and apolipoprotein levels and on high density lipoprotein composition, 115
 - Expression of apolipoprotein B epitopes in very low density lipoprotein subfractions. Studies with monoclonal antibodies, 138
- Swine**, *See* Animal studies, pig

T

- Thrombolysis**
 - New approaches to thrombolytic therapy, 579
- Thrombosis**
 - Effect of aspirin and salicylate on platelet-vessel wall interactions in rabbits, 403
 - New approaches to thrombolytic therapy, 579
- Thromboxane A₂**
 - Effect of aspirin and salicylate on platelet-vessel wall interactions in rabbits, 403
- Tissue culture**
 - Properties of cultured endothelium from adult human vessels, 4
- Tissue hydration**
 - Compartmentalization of water in human atherosclerotic le-

sions. Changes in distribution and exclusion volumes for plasma macromolecules, 21

Tissue-type plasminogen activator

New approaches to thrombolytic therapy, 579

Transfer

Exposure to free fatty acid increases the transfer of albumin across cultured endothelial monolayers, 489

Transmural concentration profile

Transport of ¹²⁵I-albumin across normal and deendothelialized rabbit thoracic aorta in vivo, 283

Triacylglycerol

Isolation and characterization of human plasma lipid transfer proteins, 49

Triglyceride

Dietary fiber and lipoprotein metabolism in the genetically obese Zucker rat, 147

Effect of a diet low in saturated fatty acids on plasma lipids, lipoproteins, and HDL subfractions, 265

Effect of weight loss in moderate obesity on plasma lipoprotein and apolipoprotein levels and on high density lipoprotein composition, 115

Isolation and characterization of human plasma lipid transfer proteins, 49

Low density lipoprotein metabolism in familial combined hyperlipidemia. Mechanism of the multiple lipoprotein phenotypic expression, 614

Mobilization of stored triglycerides from macrophages as free fatty acids, 630

Neutral triglyceride lipase in macrophages, 34

Physiologic and supraphysiologic increases in lipoprotein lipids and apoproteins in late pregnancy and postpartum. Possible markers for the diagnosis of prelipemia, 407

Plasma and lipoprotein cholesterol and triglyceride in the Pima Indian population. Comparison of diabetics and nondiabetics, 462

Plasma triglyceride determines structure-composition in low and high density lipoproteins, 225

Special report. Treatment of hypertriglyceridemia. NIH consensus development conference summary, 296

Very low density lipoproteins promote triglyceride accumulation in macrophages, 103

Triton WR-1339

In vitro and in vivo interactions of Triton 1339 with plasma lipoproteins of normolipidemic rhesus monkeys. Preferential effects on high density lipoproteins, 418

Trypsin

Characterization of antigenic determinants of human apolipoprotein B. Distribution on tryptic fragments of low density lipoprotein, 498

Tumor biology

Meeting summary. Molecular Biology and the Vascular Wall. Proceedings of a meeting, 647

Tunica intima

Measurement in vivo of irreversible degradation of low density lipoprotein in the rabbit aorta. Predominance of intimal degradation, 214

Twins

Meeting summary. Genetic Epidemiology of Coronary Heart Disease. Past, Present, and Future, 510

Type A behavior

Relationship between cortisol and cholesterol in men with coronary artery disease and type A behavior, 59

Type N procollagen

Properties of cultured endothelium from adult human vessels, 4

Atherogenic diet-induced modification of the subfraction distribution of high density lipoproteins in monkeys, 636

Double pre-beta lipoprotein. Isolation and characterization of the two populations of very low density lipoproteins by zonal ultracentrifugation, 598

Umbilical vein

In vivo catabolism of biologically modified LDL, 256

V

Vasa vasorum

Endothelial transport of anionized and cationized ferritin in the rabbit thoracic aorta and vasa vasorum, 372

Vena cava

Properties of cultured endothelium from adult human vessels, 4

Vertical rotor

Atherogenic diet-induced modification of the subfraction distribution of high density lipoproteins in monkeys, 636

Vesicle transport

Endothelial transport of anionized and cationized ferritin in the rabbit thoracic aorta and vasa vasorum, 372

Vessel wall

Meeting summary. Molecular Biology and the Vascular Wall. Proceedings of a meeting, 647

von Willebrand's disease

Smooth muscle cell proliferation in response to endothelial injury in coronary arteries of normal and von Willebrand's disease swine, 84

W

Water, tissue

Compartmentalization of water in human atherosclerotic lesions. Changes in distribution and exclusion volumes for plasma macromolecules, 21

Weight loss

Effect of weight loss in moderate obesity on plasma lipoprotein and apolipoprotein levels and on high density lipoprotein composition, 115

Women

Correction. Framingham Heart Study data on females using estrogen supplements, 517

Wound, See injury

X

Xanthoma

Clinical, biochemical, and genetic features in familial disorders of high density lipoprotein deficiency, 303

Homozygous familial hypercholesterolemia occurring with apolipoprotein E₃ deficiency. Report of two cases, 124

Z

Zucker fatty rat

Dietary fiber and lipoprotein metabolism in the genetically obese Zucker rat, 147

U

Ultracentrifugation

Abnormalities of high density lipoproteins in homozygous familial hypercholesterolemia, 472